

**Amendments to the Specification**

Please replace paragraph [0001] with the following paragraph:

[0001] This application is a divisional of U.S. Serial No. 10/179,373, filed June 26, 2002, which is a continuation-in-part of U.S. Serial Nos. 10/035,045 filed January 3, 2002, ~~and~~ 09/897,427, now U.S. Patent No. 6,955,887, filed on July 3, 2001, ~~and~~ 09/799,629 ~~filed on July 3, 2001~~. Application 10/179,373, claims priority to Provisional Application Serial No. 60/300,434, filed on June 26, 2001, U.S. Provisional Application Serial No. 60/304,749 filed on July 13, 2001, U.S. Provisional Application Serial No. 60/310,493 filed on August 8, 2001, U.S. Provisional Application Serial No. 60/331,771 filed on November 21, 2001, U.S. Provisional Application Serial No. 60/339,472 filed December 14, 2001, ~~and~~ U.S. Provisional Serial No. 60/372,090 filed April 15, 2002, and U.S. Provisional Application Serial No. 60/374,143 filed on April 22, 2002, all of which are incorporated by reference in their entirety.

Please replace paragraph [0038] with the following paragraph:

[0038] ~~Figures 1a-1b contain~~ ~~contains~~ a sequence alignment of human (SEQ ID NOS 5-7) and rat T1Rs (SEQ ID NOS 16-17 & 4), human calcium-sensing receptor (SEQ ID NO: 19) and rat metabotropic glutamate receptor (SEQ ID NO: 18).

Please replace paragraph [0040] with the following paragraph:

[0040] Figures 3a-3c contain data relating to receptor responses to sweet taste stimuli. Figures 3a-3b contain functional data (intracellular calcium responses) elicited by different sweet taste stimuli in HEK cells stably expressing  $G_{\alpha 15}$  that are transiently transfected with human T1R2, T1R3 and T1R2/T1R3 at various concentrations of sweet taste stimuli (Figure 3a); human T1R2/T1R3 dose responses for several sweet taste stimuli (Figure 3b); human T1R2/T1R3 responses to sucrose in the presence of gurmardin, and endogenous  $\beta 2$ -adrenergic receptor responses to isoproterenol in the presence of gurmardin. Figure 3c contains the normalized response to different sweeteners.